

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L21	126793	(first second) adj (object\$3 lens)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/18 13:10
L22	145	((dis\$1 medium media (data adj carrier)) near10 (vibrat \$3 wobble deflect\$3)) near25 (distance) near25 lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/18 13:12
L23	17	L22 and L21	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/18 13:12
L24	16	((first second) adj (object\$3 lens)) and ((first second) adj (working adj distance))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/18 13:16
S1	2	"5740143".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 22:27
S2	1	10/579776	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 22:27
S3	585	369/44.13.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 22:40
S4	3	S3 and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 22:42

S5	1997	369/44.14.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 22:50
S6	62	S5 and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 22:50
S7	35	369/44.15.ccls. and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 23:00
S8	13	369/44.16.ccls. and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 23:05
S9	16	369/44.22.ccls. and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 23:11
S10	85	369/44.23.ccls. and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 23:13
S11	25389	Il not (S1 S2 S4 S6 S7 S8 S9)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 23:14
S12	4	369/47.36.ccls. and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 23:20

S13	4	369/47.49.ccls. and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 23:23
S14	0	369/246.1.ccls. and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 23:24
S15	2	369/244.1.ccls. and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 23:24
S16	1	369/250.ccls. and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 23:25
S17	1	369/251.ccls. and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 23:25
S18	0	369/253.ccls. and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 23:26
S19	2	369/257.ccls. and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 23:26

S20	2	720/688.ccls. and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 23:26
S21	114	"720"/\$.ccls. and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 23:28
S22	1	("5293363").PN. OR ("7062774").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/10 23:34
S23	2	369/53.13.ccls. and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/11 11:32
S24	3	369/47.44.ccls. and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/11 11:33
S25	2	369/44.33.ccls. and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/11 11:34
S26	14287	(lens near5 (fix\$3 lock \$3 hold\$3)) near5 position	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/11 12:05
S27	308	(lens near5 (fix\$3 lock \$3 hold\$3)) near5 ((retract\$2 recess\$2) near5 position)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/11 12:07
S28	585	369/44.13.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/11 12:08

S29	3	S28 and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/11 12:08
S30	1997	369/44.14.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/11 12:08
S31	62	S30 and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/11 12:08
S32	35	369/44.15.ccls. and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/11 12:08
S33	13	369/44.16.ccls. and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/11 12:08
S34	16	369/44.22.ccls. and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/11 12:08
S35	85	369/44.23.ccls. and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/11 12:08
S36	114	"720"/\$.ccls. and (((disc disk medium media (data adj carrier)) near10 (contact\$3 colli\$4 abut \$4)) near10 (lens transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/11 12:08

S37	279	S29 S31 S32 S33 S34 S35 S36	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/11 12:08
S38	307	S27 not S37	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/11 12:09
S39	3937812	(disc disk medium media (data adj carrier))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/11 12:15
S40	76	S38 and S39	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/11 12:16
S41	9522	(working adj distance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/11 12:43
S42	4564	S39 and S41	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/11 12:44
S43	12354	(disc disk medium media (data adj carrier)) same ((object \$3 near2 lens) transducer) same (contact\$3 colli\$4 interact\$3 clash\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/11 13:14
S44	430	S41 and S43	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/11 13:14
S45	1	("5293363").PN. OR ("7062774").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/14 13:34
S46	49	720/673.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/14 13:38

S47	8	("4472796"   "4574372"   "4899328"   "4987506"   "5012462"   "5130973"   "5243591"   "5267227").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/14 13:48
S48	17	("4472796"   "4574372"   "4899328"   "4987506"   "5012462"   "5130973"   "5243591"   "5267227").PN. OR ("5444690").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/14 13:48
S49	11	("4958335"   "5072436"   "5097456"   "5159587").PN. OR ("5258971").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/14 13:52
S50	4	("5258971" "5444690" "20020186645" "7062774").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/14 13:57
S51	38	720/671.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/14 13:58
S52	346	369/44.21.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/15 16:07
S53	16	((dis\$1 medium media (data adj carrier)) near2 (vibrat \$3 wobble)) with (working adj distance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/15 16:25
S54	9	((dis\$1 medium media (data adj carrier)) near5 (vibrat \$3 wobble)) near15 (working adj distance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/15 16:41

S55	62	(working adj distance) same (lens with contact\$3 with (disc disk media medium (data adj carrier)) with (read\$3 writ\$3 record\$3 reproduc\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/15 16:47
S56	25	((dis\$1 medium media (data adj carrier)) near5 (vibrat\$3 wobble)) same (working adj distance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/15 16:49
S57	1	((first second) adj working adj distance) and (((planar adj deflection) wobble) near5 (disc disk media medium (data adj carrier)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/15 16:58
S58	1	((first second) adj working adj distance) and (((planar adj deflection) wobble) near10 (disc disk media medium (data adj carrier)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/15 16:59
S59	2	(different adj working adj distance) and (((planar adj deflection) wobble) with (disc disk media medium (data adj carrier)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/15 16:59
S60	6	(different adj working adj distance) and (((planar adj deflection) wobble vibrat\$3) with (disc disk media medium (data adj carrier)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/15 17:00
S61	1	((first second) adj working adj distance) and (((planar adj deflection) wobble vibrat\$3) with (disc disk media medium (data adj carrier)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/15 17:02



S62	87	((first second) adj working adj distance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/15 17:02
S63	495	planar adj deflect\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/15 17:07
S64	40313	((planar adj deflect \$3) wobbl\$3 vibrat\$3) near10 (dis\$1 media medium (data adj carrier))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/15 17:08
S65	9530	working adj distance	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/15 17:08
S66	49697	S64 S65	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/15 17:09
S67	146	S64 and S65	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/15 17:09
S68	97	S67 and ("369".clas. "720".clas.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/15 17:09
S69	9	("5703856"   "6404721"   "6480456"   "6490100"   "6496453"   "6671247"   "6760296"   "6816450"   "6836452").PN. OR ("7301872").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/15 17:14
S70	0	".pn.7301872"	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/15 17:28
S71	1	"7301872".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/15 17:28

S72	145	((dis\$1 medium media (data adj carrier)) near10 (vibrat \$3 wobble deflect\$3)) near25 (distance) near25 lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/15 18:19
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